

Converting Colors

XYZ(58.1558, 55.6322, 84.0169)

Have a look what the booklet for
XYZ(58.1558, 55.6322, 84.0169)
contains.

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Color

**XYZ(58.1558, 55.6322,
84.0169)**

Conversions

Conversions Part 1

Format	Color
Hex	CDBEE8
RGB	205, 190, 232
RGB Percent	80%, 75%, 91%
CMY	0.1961, 0.2549, 0.0902
CMYK	0.12, 0.18, 0.00, 0.09
HSL	261°, 48%, 83%
HSV	261°, 18%, 91%
XYZ	58.1558, 55.6322, 84.0169
YIQ	199.2730, -4.5420, 16.2420

Conversions

Conversions Part 2

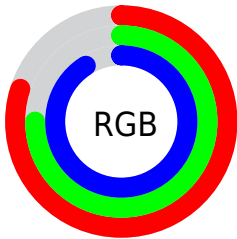
Format	Color
R_{YB}	205, 190, 232
Decimal	13483752
CIE _{Lab}	79.40, 13.25, -18.95
CIE _{LCh}	79, 23.127, 304.965
Yxy	55.6322, 0.2940, 0.2812
Android (android.graphics.Color)	4291673832 (0xFFCDBEE8)
YUV	199.2730, 16.1344, 5.0226
Hunter-Lab	74.5870, 8.6500, -14.5750

Details

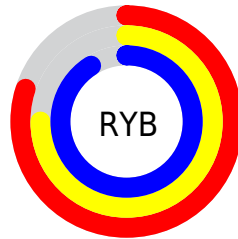
The XYZ color **58.1558, 55.6322, 84.0169** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.7680, 76.1840, 59.9037**, and the grayscale version is **54.3609, 57.1919, 62.2820**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **29.5446, 27.6052, 44.8455** is the 20% darker color. If you saturate the color by 10%, you get **49.6056, 44.3504, 82.2908**, and if you desaturate by 10%, it is **67.9015, 68.7204, 86.0304**.

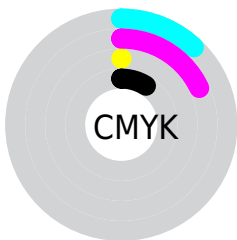
Distribution



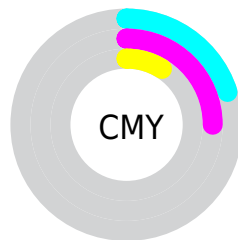
- Red (80%)
- Green (75%)
- Blue (91%)



- Red (80%)
- Yellow (75%)
- Blue (91%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1558, 55.6322, 84.0169 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.1558, 55.6322, 84.0169 by changing the saturation by 10% instead.

■ 58.1558, 55.6322,
84.0169

■ 58.1558, 55.6322,
84.0169

407.7107,
408.3039, 528.4289

■ 42.1777, 39.9081,
62.4839

■ 101.2714, 98.4666,
140.8608

■ 29.4321, 27.4669,
44.9855

129.1395,
126.3457, 177.0087

■ 19.5539, 17.9242,
31.1032

161.7017,
159.0453, 218.8654

■ 12.1776, 10.8956,
20.4183

199.3233,
196.9497, 266.8494

■ 6.9378, 5.9967,
12.5124

242.3696,
240.4434, 321.3792

■ 3.4692, 2.8430,
6.9669

291.2061,

■ 1.4065, 1.0503,

289.9107, 382.8733

3.3633

346.1980,
345.7361, 451.7504

■ 0.2608, 0.0000,
1.2830

■ 0.0000, 0.0000,
0.0478

■ 58.1558, 55.6322,
84.0169

■ 58.1558, 55.6322,
84.0169

■ 49.6056, 44.3504,
82.2908

■ 67.9015, 68.7204,
86.0304

■ 42.1970, 34.7870,
80.8354

■ 78.8833, 83.6840,
88.3399

■ 35.8795, 26.8567,
79.6376

■ 89.6594, 97.6236,
90.4625

■ 30.5967, 20.4643,
78.6822

■ 91.5657, 98.6063,
90.5517

■ 26.2863, 15.5040,
77.9520

■ 22.8788, 11.8565,
77.4275

■ 20.2935, 9.3816,
77.0861

■ 18.4221, 7.8853,
76.8959

■ 18.1199, 7.6585,
76.8680

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6526, 55.6322, 89.7593



58.1558, 55.6322, 84.0169



61.3786, 55.6322, 72.0418

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.1558, 55.6322, 84.0169



56.7424, 55.6322, 40.2486



44.4777, 55.6322, 62.8124

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.1558, 55.6322, 84.0169



66.7680, 76.1840, 59.9037

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1986, 55.6322, 50.3928



58.1558, 55.6322, 84.0169



52.1084, 55.6322, 38.5192

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.1558, 55.6322, 84.0169



60.5297, 55.6322, 47.0802



47.9272, 55.6322, 41.9560



45.8976, 55.6322, 76.4273

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.1558, 55.6322, 84.0169



62.2706, 55.6322, 62.8440



47.9272, 55.6322, 41.9560



44.4786, 55.6322, 58.3593

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.1575, 55.6345, 84.0181



88.1650, 90.6116, 107.4507



60.6928, 66.5557, 85.9925



18.6706, 19.1225, 22.9569



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1575, 55.6345, 84.0181



67.6441, 63.0707, 103.2164



64.2506, 58.7756, 84.3033



14.0661, 14.1363, 18.1315



10.1840, 4.3160, 42.6795



0.8510, 0.3697, 3.1585

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.2183, 58.9948, 73.6504



76.6309, 68.0570, 87.6687



60.9958, 73.2084, 59.6335



14.7652, 14.5233, 16.9637



21.5554, 10.7564, 17.0857



1.6368, 0.8124, 1.4938

Previews

White Background



This preview shows how the XYZ color 58.1558, 55.6322, 84.0169 looks on a white background.

Color Contrast Check

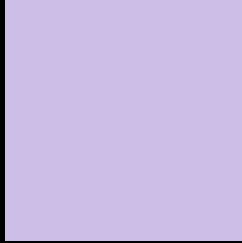
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.1558, 55.6322, 84.0169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

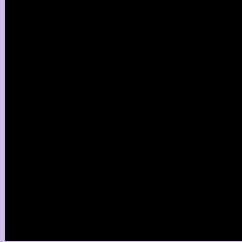
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1558, 55.6322, 84.0169

Background



This preview shows how black text looks on a background with the XYZ color 58.1558, 55.6322, 84.0169.



This preview shows how white text looks on a background with the XYZ color 58.1558, 55.6322,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.1558, 55.6322, 84.0169

Protanopia

55.2495, 55.7197, 86.4403

Deuteranopia

56.9683, 55.6676, 84.0863



Tritanopia

54.8878, 55.6045, 68.1614

Trichromacy



Original Color

58.1558, 55.6322, 84.0169

Protanomaly

56.1694, 55.5498, 85.6036

Deuteranomaly

57.2837, 55.5053, 84.0384

Tritanomaly

55.9515, 55.7062, 73.4491

Monochromacy



Original Color

58.1558, 55.6322, 84.0169

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

55.5852, 56.6005, 69.6234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1558, 55.6322, 84.0169 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 190, 232)` looks like.

```
.text, #text, p{  
    color:rgb(205, 190, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 190, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 190, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.1558, 55.6322, 84.0169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 190, 232) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 190, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 190, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 190, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 190, 232);  
box-shadow:4px 4px 4px 4px rgb(205, 190,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1558, 55.6322, 84.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 190, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
190, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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